

FIG. 1

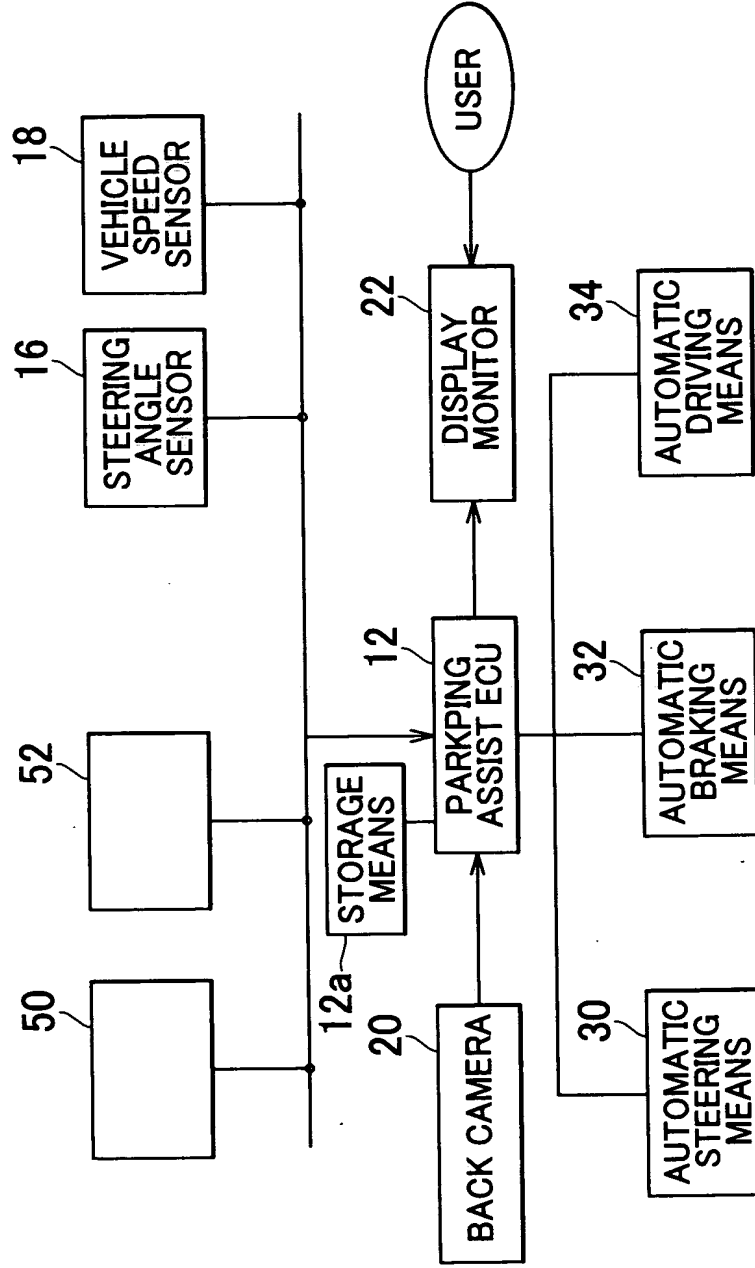


FIG. 2

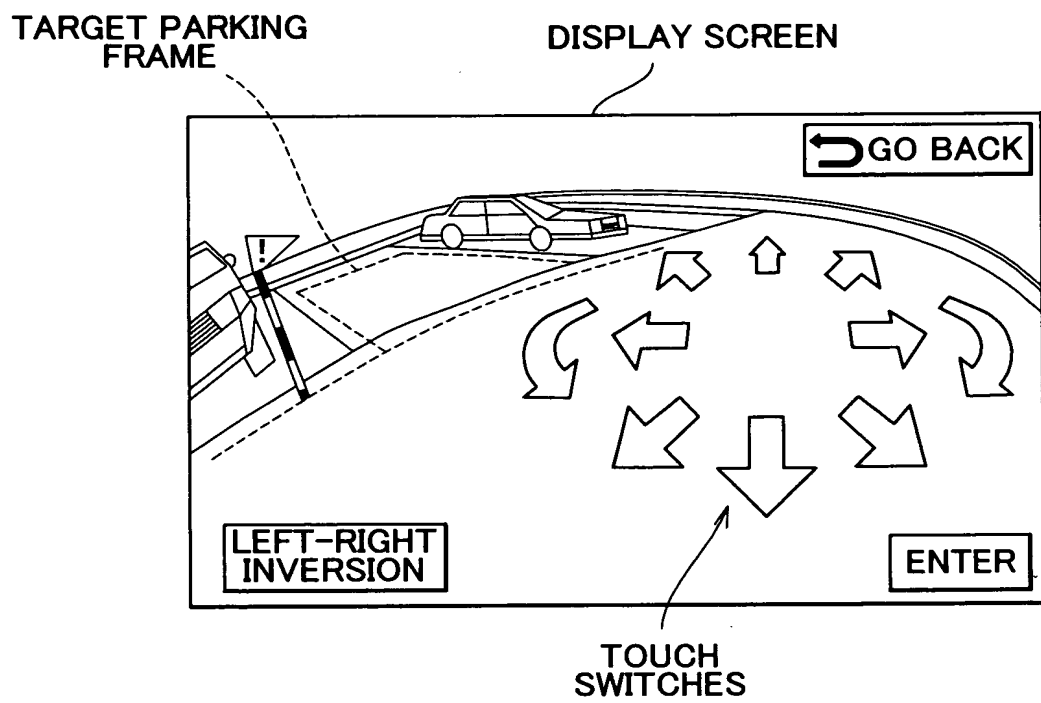


FIG. 3

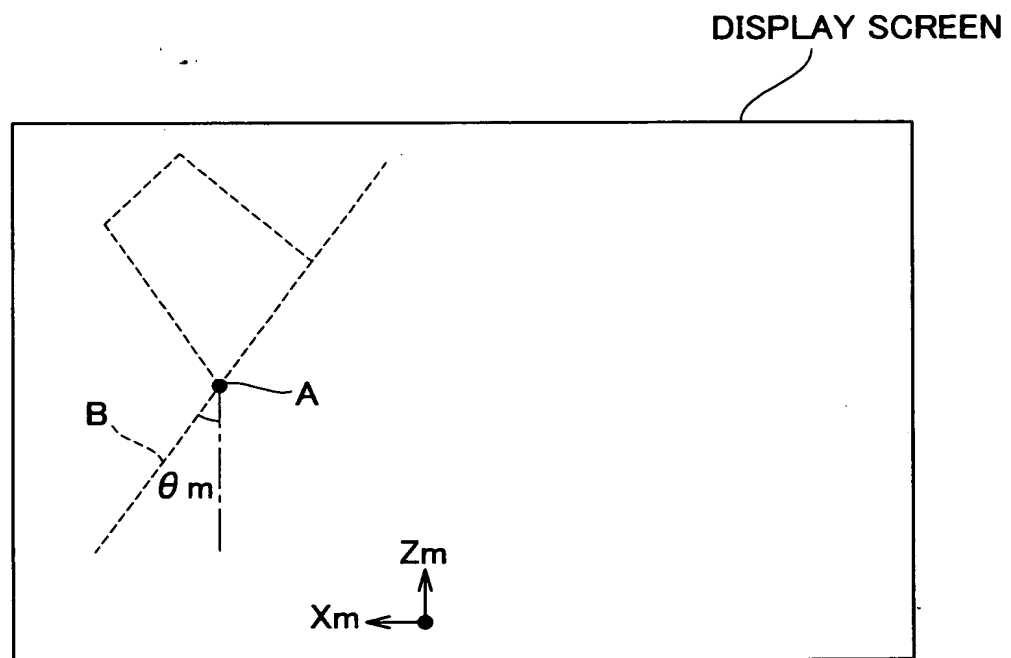


FIG. 4A

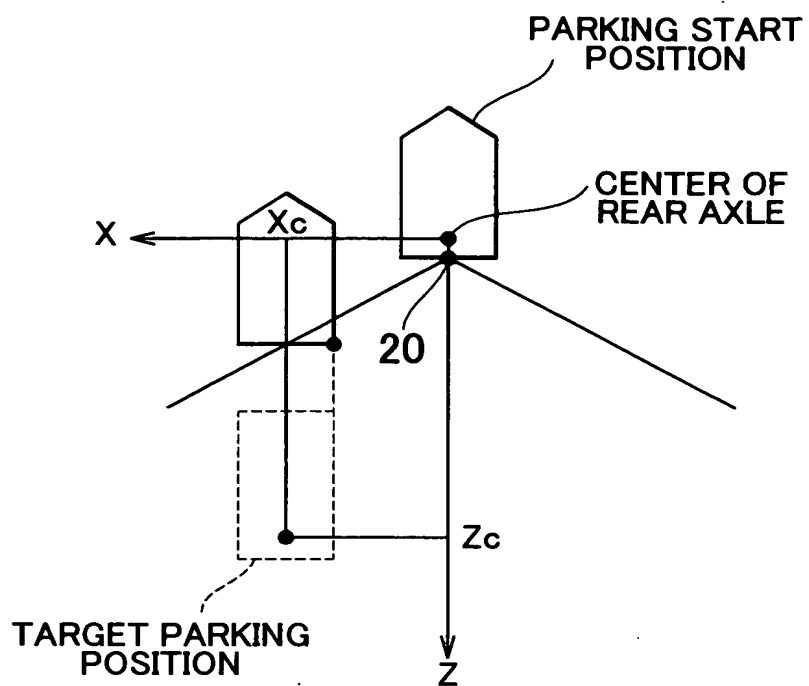


FIG. 4B

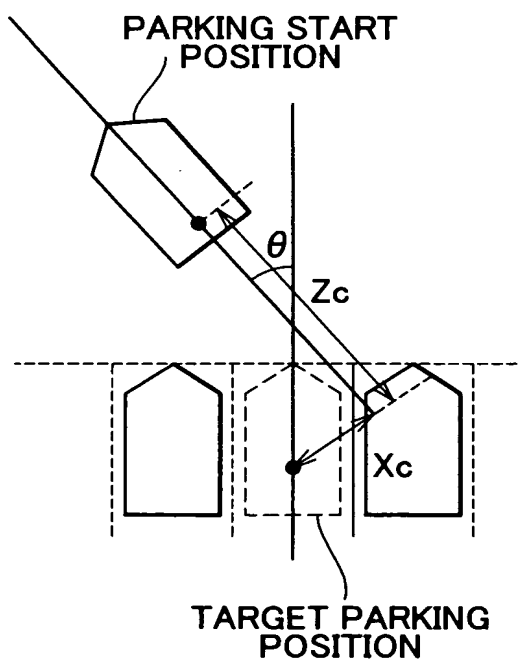


FIG. 5

θ	X_c	Z_c
$-90 \sim -80$	X_1	Z_1
$-80 \sim -70$	X_2	Z_2
$-70 \sim -60$	X_3	Z_3
\vdots	\vdots	\vdots
$70 \sim 80$	X_{17}	Z_{17}
$80 \sim 90$	X_{18}	Z_{18}

```

graph TD
    START([START]) --> S100{GARAGE PARKING OR PARALLEL PARKING?}
    S100 -- PARALLEL PARKING --> S300[DETERMINE KIND OF PARALLEL PARKING]
    S100 -- GARAGE PARKING --> S200[ESTIMATE DEFLECTION ANGLE]
    S300 --> S310[RETRIEVE CONTROL PARAMETERS Xc, Zc IN ACCORDANCE WITH KIND OF PARKING]
    S310 --> S320[DETERMINE INITIAL POSITION OF TARGET PARKING FRAME]
    S320 --> S330{FRAME ADJUSTED BY USER?}
    S330 -- YES --> S335[STORE POST-ADJUSTMENT CONTROL PARAMETERS IN ACCORDANCE WITH SIGN OF Xc]
    S330 -- NO --> S340[CALCULATE TARGET PATH, ETC.]
    S335 --> S340
    S200 --> S210[RETRIEVE CONTROL PARAMETERS Xc, Zc IN ACCORDANCE WITH ESTIMATED DEFLECTION ANGLE]
    S210 --> S220[DETERMINE INITIAL POSITION OF TARGET PARKING FRAME]
    S220 --> S230{FRAME ADJUSTED BY USER?}
    S230 -- YES --> S235[STORE POST-ADJUSTMENT CONTROL PARAMETERS IN ACCORDANCE WITH DEFLECTION ANGLE]
    S230 -- NO --> S240[CALCULATE TARGET PATH, ETC.]
    S235 --> S240
    S340 --> END([END])
    S240 --> END

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FIG. 7

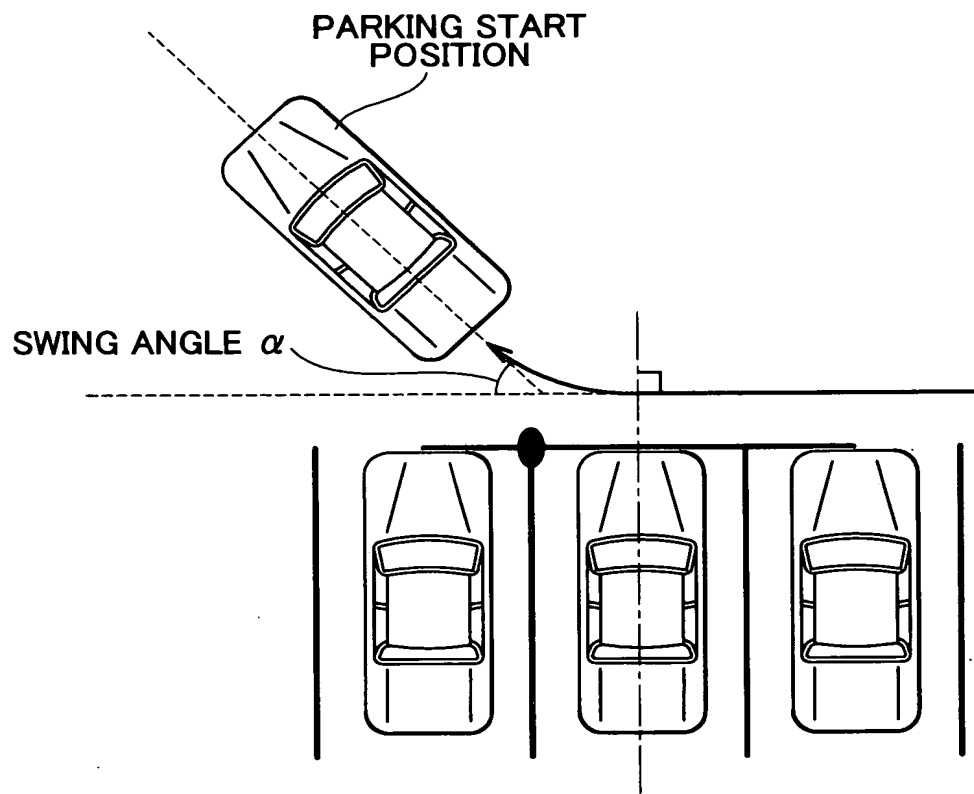


FIG. 8

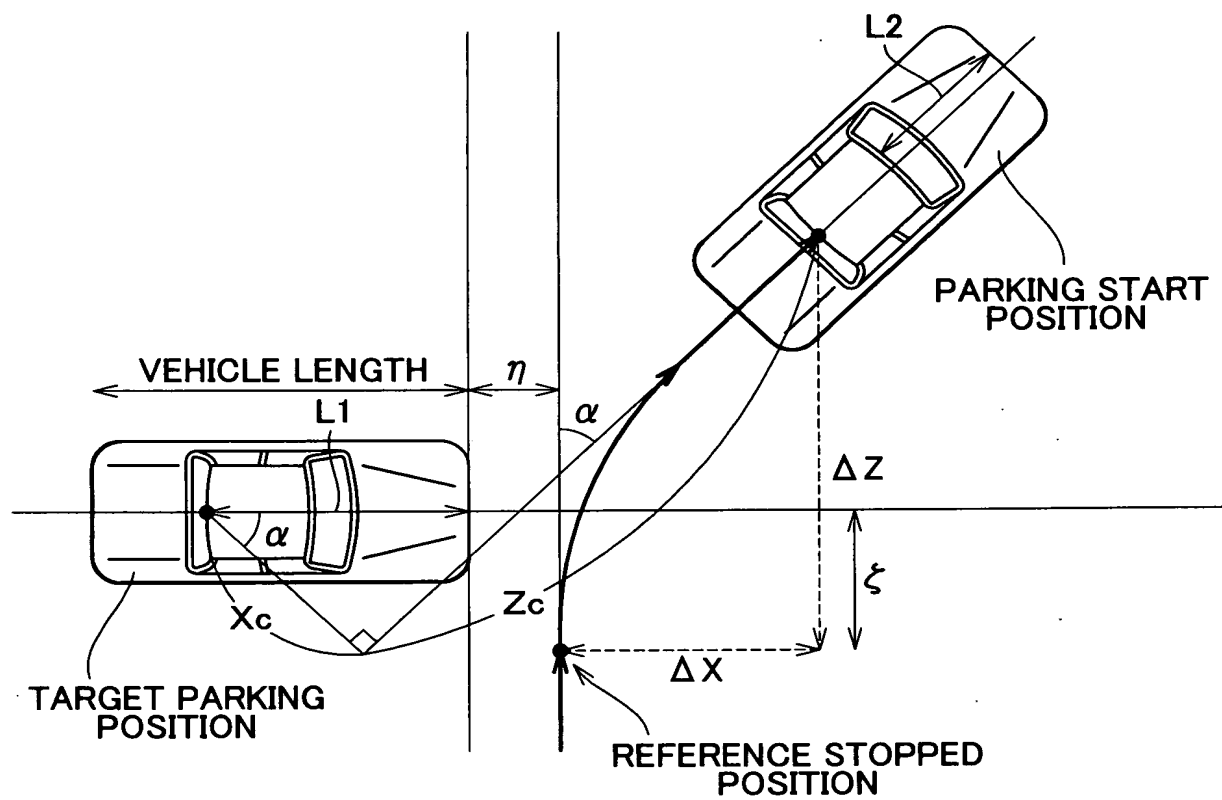


FIG. 9

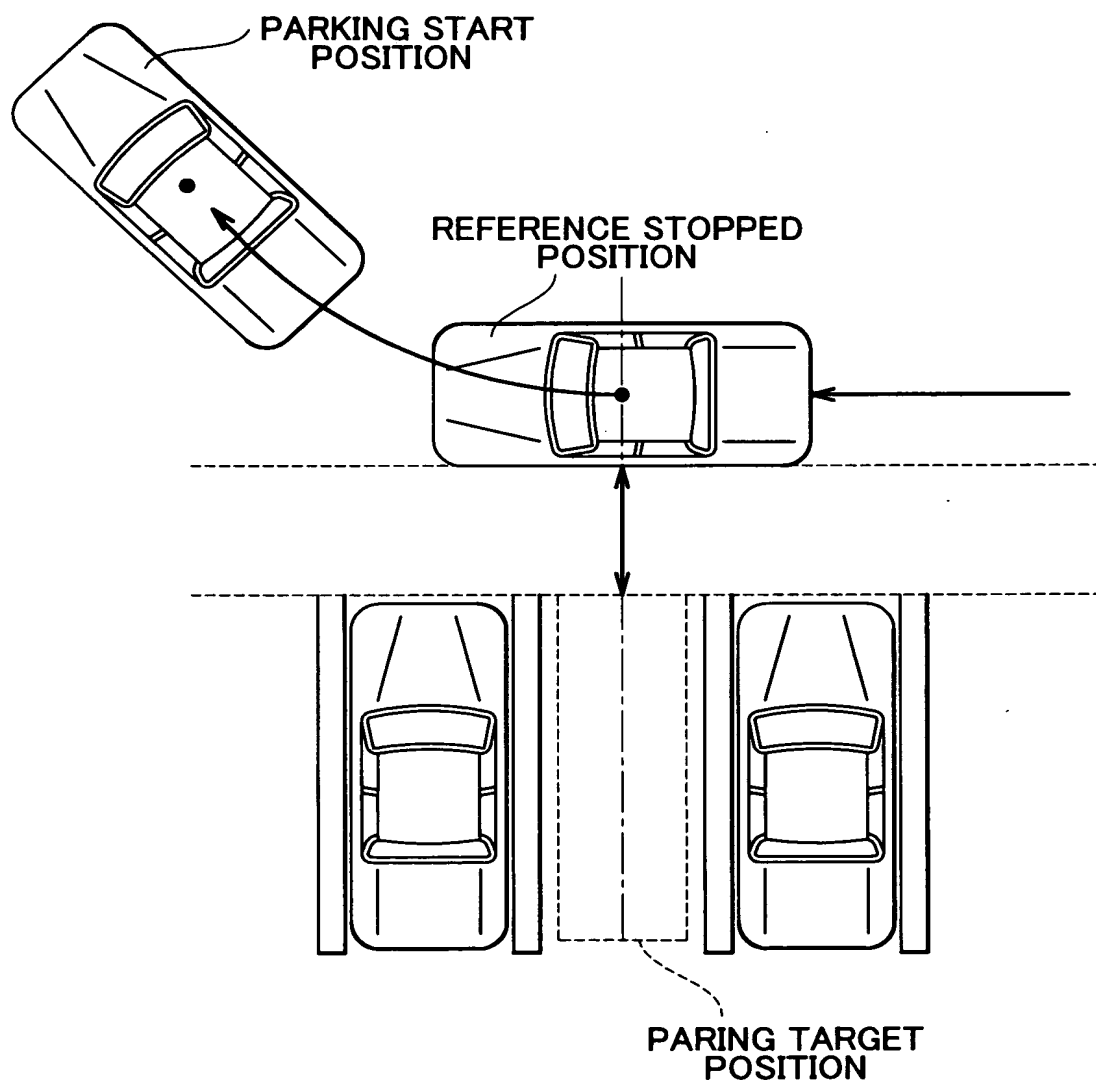


FIG. 10

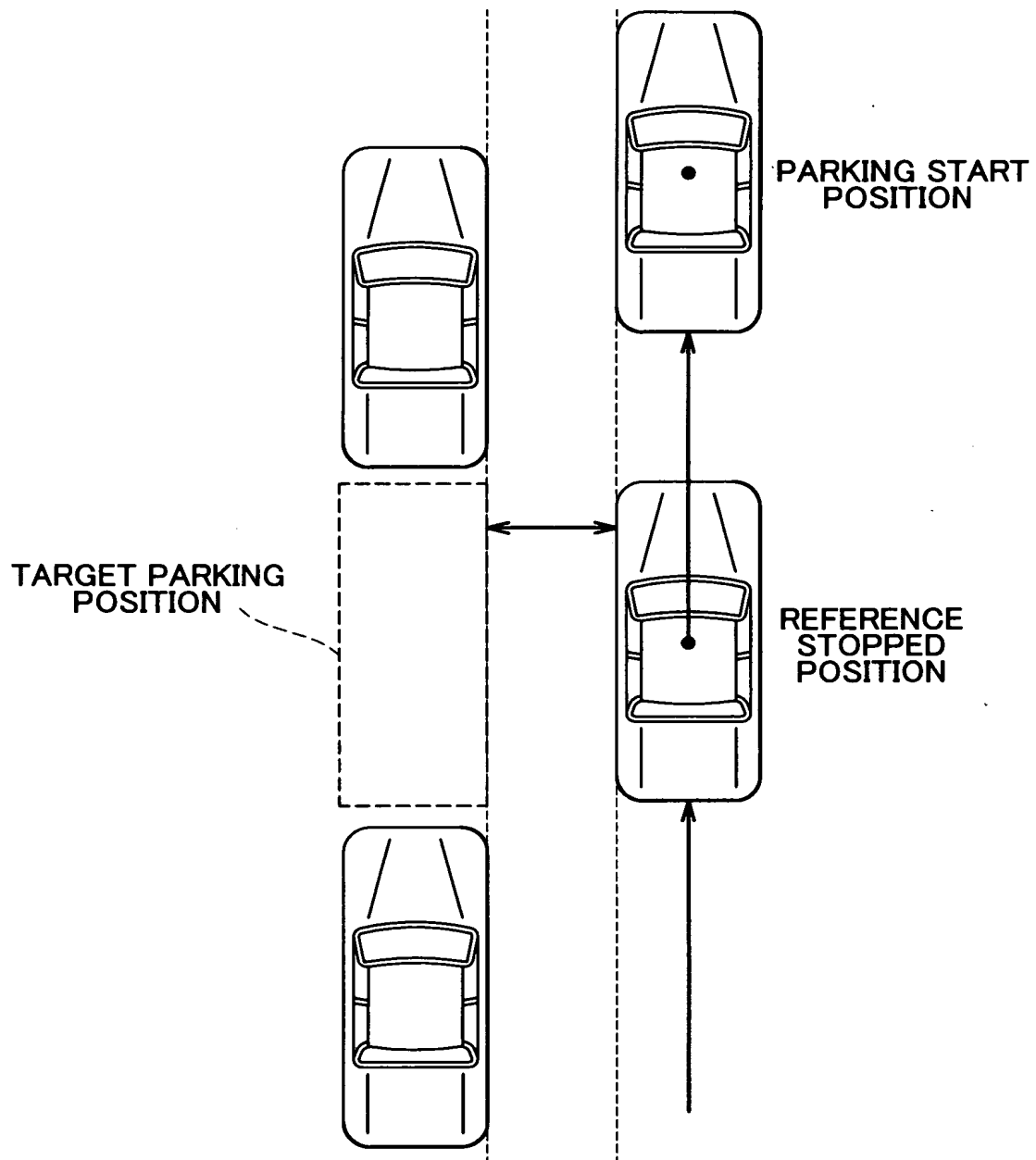


FIG. 11

